



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : C. Cantor *et al.*

Art Unit : 1637

Serial No. : 09/395,409

Examiner : Heather Calamita

Confirmation No.: 6005

Customer No. :20985

Filed : September 14, 1999

Title : **SOLID PHASE SEQUENCING OF BIOPOLYMERS**

Mail Stop RCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN
ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

This Supplemental Information Disclosure Statement is filed with a Request for Continued Examination of the above-captioned application and prior to receipt of an Office Action. Thus, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all information known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Forms PTO-1449 (1 page) and copies of the cited non U.S. Patent documents are provided herewith.

The documents cited on the Forms PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

In accordance with the requirements of 37 C.F.R. §1.98, the following additional documents are listed in the table below and provided herewith for consideration by the Examiner:

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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Date of Deposit: **October 31, 2007**

I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop RCE, Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie Seidman

1-5) Office Actions, dated February 3, 1999; June 20, 2000; February 12, 2001; July 7, 2003; and September 11, 2006, in connection with European Patent Application No. 96912743 (Attorney Docket No. 17120-004EP1/ 2402EP), which is a national stage filing of International Patent Application No. PCT/US96/05136, which claims priority to U.S. Patent Application Serial No. 08/420,009.

In Documents 1-5, Examiner cites from among the following documents:

D1) WO 94/11530

D2) Broude et al., "Enhanced DNA sequencing by hybridization" *Proc. Natl. Acad. Sci.* 91:3072-3076 (1994)

D3) WO 94/16101

D4) Lysov et al., "DNA sequencing by hybridization to oligonucleotide matrix. Calculation of continuous stacking hybridization efficiency" *J. Biomol. Struct. Dynam.* 11(4):797-812 (1994)

D5) Bains, "DNA sequencing by mass spectrometry. Outline of a potential future application," *Chimicaoggi* pp. 13-16 (1991)

D6) Khrapko et al., "A method for DNA sequencing by hybridization with oligonucleotide matrix" *DNA Sequence* 1(6):375-388 (1991)

D7) EP 0630972

D8) Khrapko et al., "An oligonucleotide hybridization approach to DNA sequencing" *FEBS Lett.* 256(1):118-122 (1989)

D9) Fu et al., "Efficient preparation of short DNA sequence ladders potentially suitable for MALDI-TOF DNA sequencing" *Genetic Analysis* 12:137-142 (1996)

D10) WO 94/21822

D12) Cantor *et al.*, "Sequence-directed DNA manipulation for enhanced mapping and sequencing", Human Genome Program, US Department of Energy, DOE Human Genome Program Contractor-Grantee Workshop IV, (1994)

D15) Köster *et al.*, "A strategy for rapid and efficient DNA sequencing by mass spectrometry", *Nature Biotechnology*, 14:1123-1128 (1996)

6) Office Action, dated September 30, 2004, in connection with U.S. Patent Application Serial No. 10/136,829, now U.S. Patent 6,991,903 (Attorney Docket No. 17120-004004/2402D), which is a continuation of U.S. Patent Application Serial No. 08/614,151 and claims priority to U.S. Patent Application Serial No. 08/420,009.

7) Office Action, dated October 4, 2006, in connection with U.S. Patent Application Serial No. 11/259,426 (Attorney Docket No. 17120-004005/2402E), which is a continuation of U.S. Patent Application Serial No. 10/136,829.

The instant application is a continuation of U.S. Patent Application Serial No. 08/470,716, which is a continuation of U.S. Patent Application Serial No. 08/470,835 and claims priority to U.S. Patent Application Serial No. 08/420,009.

The table below lists Documents 1-7 and includes a column that provides a space next to each document to be considered, for the Examiner's initials.

Examiner Initial	Document No.	Document
	1	Office Action, dated February 3, 1999, in connection with European Patent Application No. 96912743
	2	Office Action, dated June 20, 2000, in connection with European Patent Application No. 96912743
	3	Office Action, dated February 12, 2001, in connection with European Patent Application No. 96912743
	4	Office Action, dated July 7, 2003, in connection with European Patent Application No. 96912743
	5	Office Action, dated September 11, 2006, in connection with European Patent Application No. 96912743
	6	Office Action, dated September 30, 2004, in connection with U.S. Patent Application Serial No. 10/136,829, now U.S. Patent 6,991,903
	7	Office Action, dated October 4, 2006, in connection with U.S. Patent Application Serial No. 11/259,426

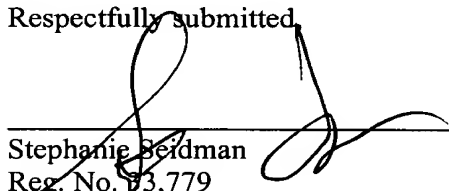
Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the documents or information, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97 (g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

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Supplemental Information Disclosure Statement

Applicant respectfully requests that the Examiner review the foregoing documents and they be made of record in the file history of the above-captioned application.

Respectfully submitted,



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Attorney Docket No. 17120-006004/2403D

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